

ROUTING:
H. Emmett, E. Skowronski
FILE

PA-0076

ATSDR Record of Activity

UID #: T X W 6 Date: 5/12/93 Time: _____ amX pm

Site Name: Phillips Landfill City: McKees Rocks Cnty: Allegheny State: PA

CERCLIS #: _____ Cost Recovery #: 3#PA Region: 3

Site Status (1) ☐ NPL ☒ Non-NPL ☐ RCRA ☐ Non-Site specific ☐ Federal
(2) ☐ Emergency Response ☐ Remedial ☐ Other

Activities

<input type="checkbox"/> Incoming Call	<input type="checkbox"/> Public Meeting	<input type="checkbox"/> Health Consult	<input type="checkbox"/> Site Visit
<input checked="" type="checkbox"/> Outgoing Call	<input type="checkbox"/> Other Meeting	<input type="checkbox"/> Health Referral	<input type="checkbox"/> Info Provided
<input type="checkbox"/> Conference Call	<input type="checkbox"/> Data Review	<input type="checkbox"/> Written Response	<input type="checkbox"/> Training
<input type="checkbox"/> Incoming Mail			<input type="checkbox"/> Other

Requestor and Affiliation: (2) Mariorie Easton, EPA, OSC

Phone: _____

Address: U.S. EPA Region III 303 Methodist Bldg. 11th & Chapline ST

City: Wheeling State: WV Zip Code: 26003

Contacts and Affiliation

(1) Jack Kelly, Region III Rep. () _____
() _____ () _____

1-ATSDR 2-EPA 3-Other Fed 4-State Health 5-State Environment
6-Local Health 7-Elected Official 8-Private Co 9-Private Citizen
10-News Media 11-Citizen Group 12-USCG 13-Natl Respsn Cntr 14-Other

Program Areas

<input type="checkbox"/> Health Assessment	<input type="checkbox"/> Health Studies	<input type="checkbox"/> Tox Info-profile	<input type="checkbox"/> Worker Hlth
<input type="checkbox"/> Petition Assessment	<input type="checkbox"/> Health Surveillnc	<input type="checkbox"/> Tox Info-Nonprofil	<input type="checkbox"/> Admin
<input type="checkbox"/> Emergency Response	<input type="checkbox"/> Disease Registry	<input type="checkbox"/> Subst-Spec Resch	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Health Consultation	<input type="checkbox"/> Exposr Registry	<input type="checkbox"/> Health Education	

Narrative Summary:

ATSDR/ERCB received a request to review and comment on environmental sampling data from the Phillips landfill site in McKees Rocks, PA. EPA had specifically requested that ATSDR comment on the elevated levels of total cyanide present in a stream on site.

The Phillips site consists of over 100 acres of land containing a closed construction debris landfill and a operating slag business. Access to the site is unrestricted.

EPA conducted surface water sampling in July 1992 which showed total cyanide levels in the stream up to 500 parts per billion (ppb). Additional sampling was conducted by EPA's Technical Assistance Team (TAT) in 1993 (see attachments 1 and 2). A maximum concentration of 1000 ppb total cyanide was detected in a tributary of the main stream that runs through the property and eventually empties into the Ohio River.

SDMS DocId 2008493

Action Required/Recommendations/Info Provided:

I telephoned Jack Kelly (ATSDR Region 3 Representative) to discuss the site. I explained that the cyanide concentrations in the stream did not represent a direct contact threat, and that it was unlikely that consumption of the stream water would occur at amounts sufficient to be of health concern.

The impact of the site on water intakes located down river from the site are negligible. The concentrations of total cyanide decreased significantly as the stream neared the entrance to the Ohio River. For example, sample OF-04 showed the total cyanide level to be 84 ppb at the stream entrance to the Ohio River. Samples taken down river of the confluence showed total cyanide levels to drop below the detection limit (< 10 ppb).

Given the relatively low concentrations of total cyanide measured in the stream (1 ppm) in an open system, it is unlikely that air concentrations of hydrogen cyanide resulting from volatilization would be present in the air at concentrations of public health concern.

Signature: Timothy Walker, MS Timothy Walker Date: 5/20/93

Concurrence: Kenneth Orloff, PhD Kenneth Orloff Date: 5/20/93

Enclosures: Yes (x) No (); MIS entered: Yes (x) No ()

cc: E. Skowronski
ERCB File
RIMB

ANALYTICAL SUMMARY FOR PHILLIPS LANDFILL

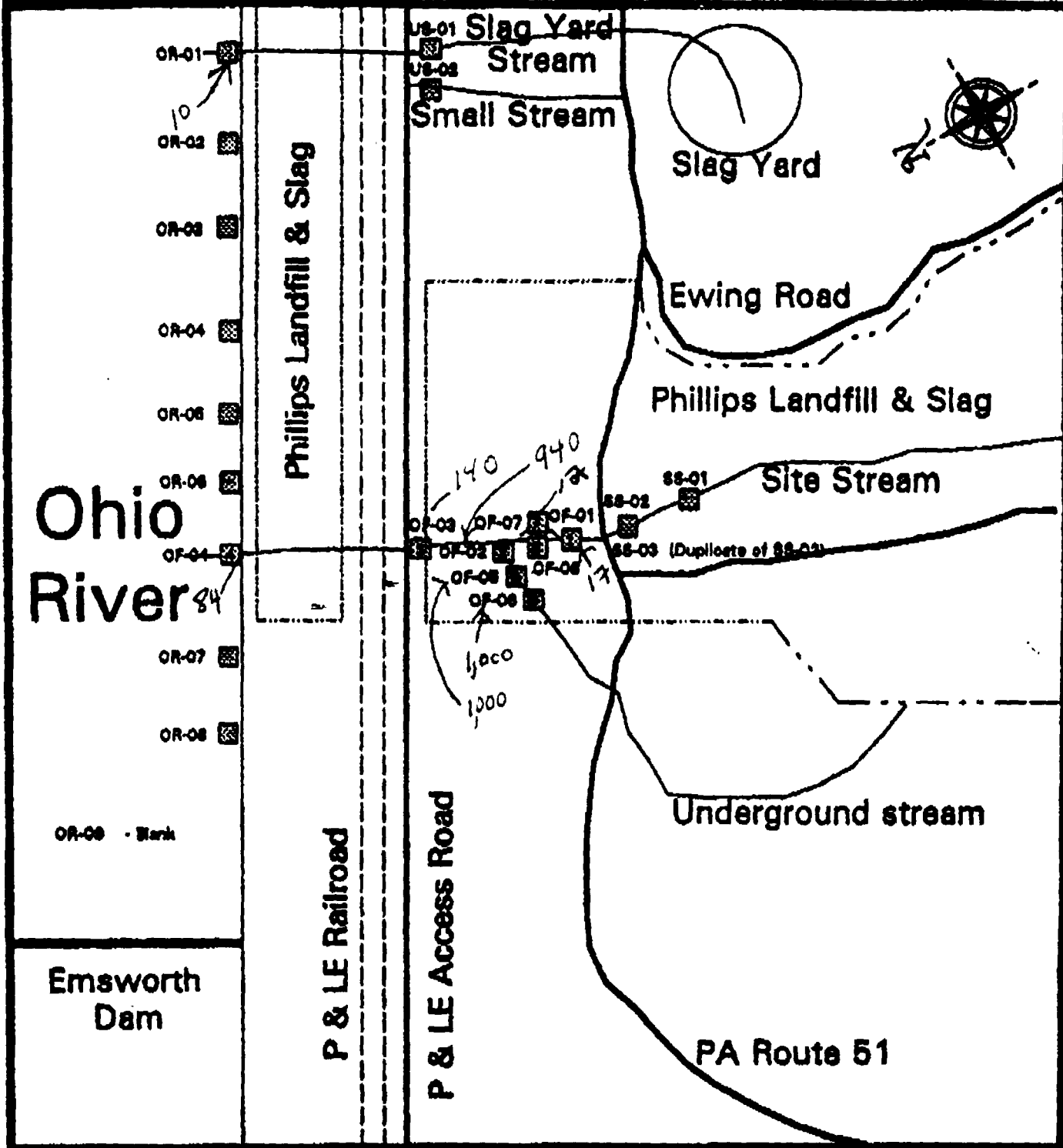
STATION NUMBER	STATION LOCATION	TOTAL CYANIDE
SS01	SITE STREAM STATION #1	18 ug/L
SS02	SITE STREAM STATION #2	17 ug/L
SS03	DUPLICATE OF SS02	17 ug/L
OF01	OUTFALL STATION #1	17 ug/L
OF02	OUTFALL STATION #2	940 ug/L
OF03	OUTFALL STATION #3	140 ug/L
OF04	OUTFALL STATION #4	84 ug/L
OF05	OUTFALL STATION #5	1000 ug/L
OF06	OUTFALL STATION #6	1000 ug/L
OF07	OUTFALL STATION #7	12 ug/L
OF08	OUTFALL STATION #8	28 ug/L
US01	UPSTREAM OUTFALL #1	18 ug/L
US02	UPSTREAM OUTFALL #2	<10 ug/L
OR01	OHIO RIVER STATION #1	10 ug/L
OR02	OHIO RIVER STATION #1	<10 ug/L
OR03	OHIO RIVER STATION #1	<10 ug/L
OR04	OHIO RIVER STATION #1	<10 ug/L
OR05	OHIO RIVER STATION #1	<10 ug/L
OR06	OHIO RIVER STATION #1	<10 ug/L
OR07	OHIO RIVER STATION #1	<10 ug/L
OR08	OHIO RIVER STATION #1	<10 ug/L
OR09	TRIP BLANK	<10 ug/L



WESTON • MPD

TDD Number: 9211-05

PCS Number: 4193



SITE SAMPLING MAP

Phillips Landfill Site

McKees Rocks, Allegheny County, PA